

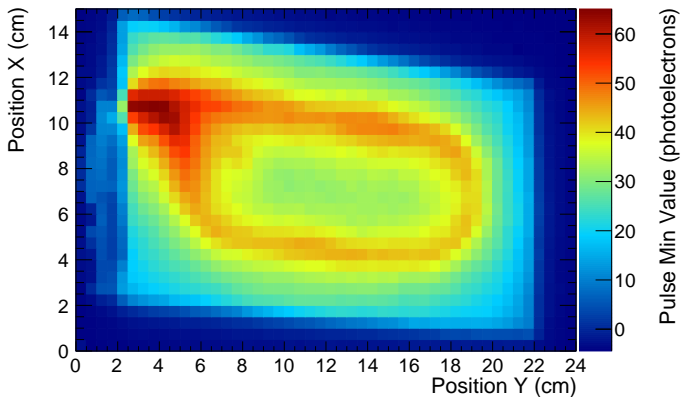
## First results from the big tile

Sebastian Vazquez-Torres  
Ron Belmont  
Jamie Nagle

University of Colorado, Boulder

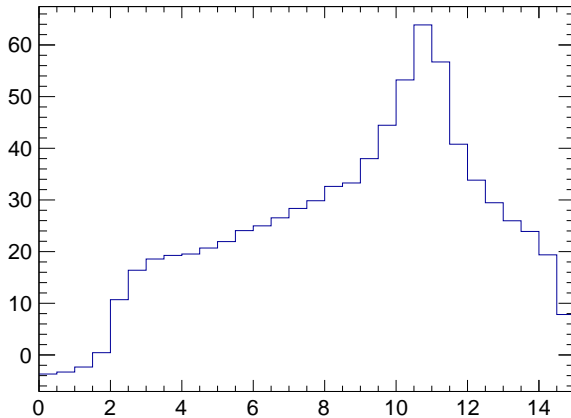
November 17<sup>th</sup>, 2015



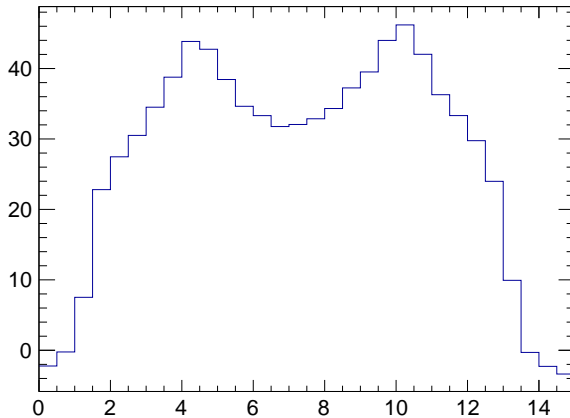


We scan in 0.5 cm increments in both directions

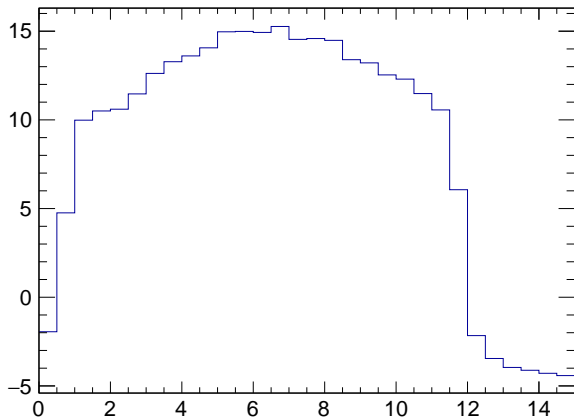
We scan 32 rows and 48 columns, which is slightly bigger than the tile itself



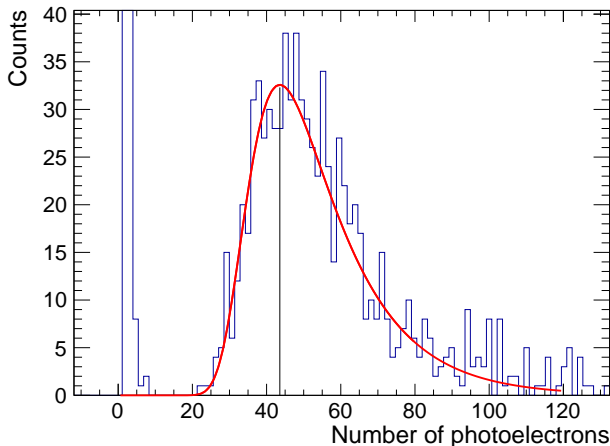
1D view of the short side, very close to the SiPM



1D view of the short side, in the middle along the long side



1D view of the short side, on the far side from the SiPM



Cosmic trigger in the center of the tile

$[\Delta E]_{MPV} = 43.5 \pm 0.5$  pe,  $\xi = 8.0 \pm 0.3$  pe—significantly larger than large tile (biggest signal was  $[\Delta E]_{MPV} = 27.8 \pm 0.5$  pe, see presentation from 11/02/15), very similar to small rectangular test tile ( $[\Delta E]_{MPV} = 43.9 \pm 0.5$  pe, see presentation from 10/20/15)

- More cosmics tests on a few different positions on tile in the works
- Same measurements to be done on the other small tile
- Suggestions welcome!